Safety Data Sheet

Revision Date 24-Aug-2018 **Version** 8 **Supercedes Date:** 25-Jun-2018

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product code RE03

Product name RE03 RADICAL EFFECTS - AUTUMN

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use Paint, Coatings

1.3. Details of the supplier of the safety data sheet

See section 16 for more information

Valspar Corporation
Level 4, 2 Burbank Place
Baulkham Hills, New South Wales 2153

Valspar Corporation
2-14 Patiki Road, Avondale 1026
Auckland, New Zealand

For further information, please contact

E-mail address sdshelpdesk@valspareurope.com

1.4. Emergency telephone number

Australia +(61)-290372994
New Zealand +(64)-98010034

Poison control centre phone number

Australia 13 11 26
New Zealand 0800 764-766

Section 2: HAZARDS IDENTIFICATION

GHS - Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2

Label elements

Signal word **WARNING**

Contains 2-(Dimethylamino)ethanol, 2-Butoxyethanol

HAZARD STATEMENTS
Harmful if swallowed or if inhaled
May be harmful in contact with skin
CAUSES SKIN IRRITATION
Causes serious eye irritation

PREVENTION
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapours/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves
Wear eye/face protection

RESPONSE
Call a POISON CENTER or doctor/physician if you feel unwell

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Skin
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

INHALATION
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell

INGESTION
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

STORAGE
Keep container tightly closed

DISPOSAL
Dispose of contents/container to an approved waste disposal plant

OTHER HAZARDS
Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
2-Butoxyethanol	111-76-2	25 - 50
Polyphosphoric acids, esters with 2-oxepanone, polyethylene glycol monomethyl ether, tetrahydro-2H-pyran-2-one reaction product, compounds with 2-(dibutylamino)ethanol	162627-23-8	3 - 5
2-(Dimethylamino)ethanol	108-01-0	1 - 3

If this section is blank, there are no hazardous components per NOHSC guidelines.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice
Get medical advice/attention if you feel unwell.

Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

INHALATION
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical, CO2, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

HAZCHEM Code: None Allocated

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions
Avoid breathing vapours or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

6.4. Reference to other sections

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Do not breathe dust/fume/gas/mist/vapours/spray.

General hygiene considerations
Avoid contact with skin, eyes or clothing. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep/store only in original container. Store in accordance with local regulations. Keep unauthorised personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits
If S* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical name	Australia	New Zealand	ACGIH TLV
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 96.9 mg/m^3 STEL: 50 ppm STEL: 242 mg/m^3	TWA: 25 ppm TWA: 121 mg/m^3 S*	TWA: 20 ppm
2-(Dimethylamino)ethanol 108-01-0	TWA: 2 ppm TWA: 7.4 mg/m^3 STEL: 6 ppm	TWA: 2 ppm TWA: 7.4 mg/m^3 STEL: 6 ppm	

	STEL: 22 mg/m³	STEL: 22 mg/m³	

8.2. Exposure controls

Engineering controls
Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment

Eye/Face Protection
Wear safety glasses with side shields (or goggles).

Skin and Body Protection
Wear suitable protective clothing.

Hand protection
There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Respiratory Protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal Protection
No information available

Environmental exposure controls
Do not allow into any sewer, on the ground or into any body of water

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	No information available
Odour	Alcohol
Colour	No information available
Odour threshold	No information available
PH	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available °C / °F
Flash Point	500 °C / 932 °F
Method	
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability limit in air	
Upper flammability limit:	No information available
Lower flammability limit	No information available
Vapour pressure	No information available
Vapour Density	No information available
Specific gravity	1.21
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive Properties	No information available
Oxidising Properties	No information available

9.2. Other information

Molecular Weight No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation
None under normal processing.

Possibility of hazardous reactions
None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong bases. Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

Section 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Information on Likely Routes of Exposure

Eye Contact Causes serious eye irritation.
Skin contact May be harmful in contact with skin. CAUSES SKIN IRRITATION.
INGESTION Not applicable.
INHALATION Not applicable.

Numerical Measures of Toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,430.00 Mg/kg
ATEmix (dermal) 3,146.00 Mg/kg
ATEmix (inhalation-dust/mist) 3.80 Mg/l
ATEmix (inhalation-vapour) 27.00 Mg/l

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.

Numerical Measures of Toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Polyphosphoric acids, esters with 2-oxepanone, polyethylene glycol monomethyl ether, tetrahydro-2H-pyran-2-one reaction product, compounds with	-	-	-

2-(dibutylamino)ethanol 162627-23-8			
2-(Dimethylamino)ethanol 108-01-0	= 1803 mg/kg (Rat)	= 1370 µL/kg (Rabbit) = 1220 mg/kg (Rabbit)	= 1641 ppm (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	CAUSES SKIN IRRITATION
Serious eye damage/eye irritation	Causes serious eye irritation
Skin Sensitisation	Not applicable
Respiratory Sensitisation	Not applicable
Germ Cell Mutagenicity	Not applicable
Carcinogenicity	Not applicable
Reproductive toxicity	Not applicable
Specific target organ toxicity (single exposure)	Not applicable
Specific target organ toxicity (repeated exposure)	Not applicable
Aspiration Hazard	Not applicable

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Precautions Prevent product from entering drains.

Chemical name	Algae/aquatic plants	Fish	Crustacea
2-Butoxyethanol 111-76-2		*= 2950 mg/L Lepomis macrochirus 96h LC50* *= 1490 mg/L Lepomis macrochirus 96h LC50*	*1698 - 1940 mg/L Daphnia magna 24h EC50* *> 1000 mg/L Daphnia magna 48h EC50*
2-(Dimethylamino)ethanol 108-01-0	*= 35 mg/L Desmodesmus subspicatus 72 h EC50*	*= 81 mg/L Pimephales promelas 96h LC50*	*= 98.77 mg/L Daphnia magna 48h EC50*

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Chemical name	Partition Coefficient (n-octanol/water)
2-Butoxyethanol 111-76-2	0.81
2-(Dimethylamino)ethanol 108-01-0	-0.55

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

Section 14: TRANSPORT INFORMATION

	IMDG	ADG	IATA
14.1 UN/ID no	NOT REGULATED	NOT REGULATED	NOT REGULATED
14.2 Proper Shipping Name			

14.3 Hazard class
14.4 Packing group
14.5 Environmental hazard
14.6 Special Provisions

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE No information available

HAZCHEM Code: None Allocated

The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

Australia
See section 8 for national exposure control parameters

New Zealand
See section 8 for national exposure control parameters

ERMA New Zealand HSNO approval code or group standard
HSR002670: SURFACE COATINGS AND COLOURANTS (SUBSIDIARY HAZARD)

International Inventories

AICS - Australian Inventory of Chemical Substances	All components are listed or exempt from listing
NZIoC - New Zealand Inventory of Chemicals	All components are listed or exempt from listing

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Supplier Address

Valspar Automotive Australia Pty Limited
Unit 11/8 Kerta Road
Kincumber, NSW 2251
Australia
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Prepared by Product Stewardship

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Revision note Not applicable.

Disclaimer
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End of Safety Data Sheet